			Duration	Assignment
SAP ABAP			
Topic 1	**Introduction to SAP**	Introduction to erp		
		Introduction to SAP		
		Introduction to SAP R/3 Client / Server Technology and SAP R/3 Architecture		
		SAP System Landscape	1 Day	
		Introduction to ABAP Workbench.		
		Application Repository and Packages.		
		SAP Implementation Life Cycle-ASAP Methodology		
		Role of ABAP Consultant in SAP Implementation Lifecycle		
		Implementation VS support projects		
Topic 3	**Data Types/loops**	Data Types and Data Objects		
		Elementary Data Types		
		Loops & Branches		Assignment
		Do, Do n times, While		
		If, If Else,Case		
		Small Programs		
Topic 4	**Data Dictionary**	Introduction to ABAP Dictionary		
		Creating & Using Data Elements and Domains		
		Creating Database table.		
		Delivery Class Delivery and Maintainance Data Class Size Category		
		Creating and Displaying entries for a database table	1 Week	Assignment
		Buffering & Buffering Types Types of Database Tables: - Tranparent Tables - Pooled Tables - Clustered Tables		
		Establising relation between database tables.		
		Foreign Key Defination		
		Using Value Tables		
Topic 5	**Structures & Internal table**	Over View of Structure		
		Over View of Internal Tables		
		Different Internal tables		
		Extracting data from database tables into internal tables Using open SQL Statements.	3 Days	Assignment
		Operation on Internal Table (Append,Insert,Modify,Sort,Read,Clear ,Refresh,Free,Delete,Collect,Describe)		
		Searching Techniques Of internal Table		
Topic 6	**Reports**	Over view of Report		
		Over View of Selection Screen		
		Selection Screen elements		
		Report with events (Classical report)		
		Interactive Report		

		Menu Design	3 Days	Assignment
		Message class Creation		
		Text messages creation		
		Hide Technique		
		Get Cursor Technique		
		Read Line Statement		
		At Events (control Events)		
		Variant Creation		
		Transaction Code Creation		
		Transport Requests ,		
		Modularizing techniques Purpose and Application	3 Days	
		-Macros		
		Include programs		
		Subroutines		
		Function modules		
		Function groups		
		Defining and using Message Classes		
		ALV Report		
		Introduction to ALV Reports	1 Day	Assignment
		Developoing Simple ALV reports – Function Module Approach		
		Building Field Catalog		
		Building Layout		
		Generating ALV Report Output		
		Using Events in ALV reports		
		Developing Interactive ALV reports		
Topic 7	**Module Pools**	Introduction to Module Pool Programming – Developing Dialog Transactions	3 Days	Assignment
		Concept of SAP GUI screen development		
		Understanding PBO & PAI mo		
		Working with Screen Painter to build Simple screen Application using components like:		
		--Text field		
		--I/O field		
		--Push Buttons		
		Working with :		
		'--Check Boxes		
		'-- Radio Buttons		
		'-- Box Frames		
		'-- Using Search Helps		
		Understanding Complex Screen Component – Tab Strip Control		
		Understanding Complex Screen Component – Tab View Control		
		Developing Screen Applications using Table View Control		
		Working with Sub Screens		
		Defining and Using Table Maintenance		
		Working with Menu Painter		

		Coding Standard document		
Topic 8	**Smart Forms**	Over view of Smart Forms in ABAP	1 Days	Assignment
		Creation of Paragraphs(Styles)		
		Creation of Character Formats(Styles)		
		Creation of Pages IN ABAP.		
		Creation of Windows		
		Creation of table format		
		Creation of Smart Form Driver program		
Topic 9	**Data Transfer**	Concept of data Transfer operations in SAP	2 Days	Assignment
		Data Transfer using Call Transaction with Transaction Recording		
		Data Transfer using Session Input method		
Topic 10	**SAP Enhancements**	Purpose & Concept	1 Day	Assignment
		User Exits – Over view		
		Business Add Ins – Over View		
Topic 11	**OO ABAP**	Introduction to OO – ABAP	2 Days	Assignment
		Principles of OO Programming in ABAP		
		Defining Classes		
		Methods and Attributes		
		Visibility		
		Types Methods and Attributes		
		Constructor		
		Inheritance		
		Interfaces		
		Defining Global Classes		